

LISTING OF CLAIMS:

1. (Previously Presented) A plurality of sensors comprising:
a first conductive material and a second compositionally different material, wherein at least one sensor comprises a different thickness than at least one other sensor of the plurality of sensors, the plurality of sensors made by a process comprising:
spraying a plurality of substrates, each having at least two conductive leads, with a suspension between the at least two conductive leads, and wherein at least one substrate receives more suspension than at least one other substrate.
2. (Original) The plurality of sensor of claim 1, wherein the suspension is applied to the substrates with an airbrush.
3. (Original) The plurality of sensors of claim 2, wherein the airbrush is fitted with a nozzle that sprays in a desired geometry.
4. (Original) The plurality of sensors of claim 1, wherein the first material is selected from the group consisting of Ag, Au, Cu, Pt, carbon black, and AuCu, and the second material compositionally different than the first material is selected from the group consisting of a non-conductive material, a semi-conductive material, a conductive organic material, wherein the conductive organic material is

selected from the group consisting of a polyaniline, an emeraldine salt of polyaniline, a polypyrrole, a polythiophene, and a polyEDOT.

5. (Previously Presented) A plurality of sensor comprising a first conductive material and a second compositionally different material , wherein at least one sensor comprises a different thickness than at least one other sensor of the plurality of sensors, the plurality of sensors made by a process comprising:

spraying a substrate, comprising at least 2 pair of conductive leads, with a suspension between the at least 2 pair of conductive leads wherein at least one area of the substrate receives more suspension than at least one other area of the substrate thereby forming at least 2 sensors of different thickness.